AirDog® II

FUEL PREPORATOR

DF-100, DF-165, & DF-200

INSTALLATION MANUAL

PureFlow AirDog

Made In The USA - USA - Made In The USA

705 MAUSOLEUM ROAD
SHELBYVILLE, IN 46176

1-877-421-3187

www.pureflowairdog.com

PROTECTED BY

CANADIAN PATENT 2,108,391

US PATENTS 5,355,860; 5,746,184; 6,729,310

AUSTRALIAN PATENT 2005101054

NEW ZEALAND PATENT 532356

Additional Foreign Patents Pending in Europe, South America, Mexico, Japan, and China!

Approved for Sale and Use in California by CARB!

(Limited Edition Model Pictured)

SMALL RETURN LINE FOR AIR, VAPOR AND FOAM

PRESET OR ADJUSTABLE PRESSURE REGULATOR

PROTECTIVE WIRE SCREEN IN PRE-FILTER NIPPLE

DEMAND FLOW SERIES

FLOWS ONLY THE AMOUNT OF FUEL THE ENGINE DEMANDS

SMALL and COMPACT

7″ Long X 3.2″ Wide X 10″ Tall

OVERVIEW

Welcome to **PureFlow® AirDog®II**
Fuel Air Separation, Filtration and Delivery System for the Diesel Engine

The ***AirDog®II*** Fuel Preporator®, the Original Fuel Air Separation System, is a premium fuel pump and complete filtration system for the DuraMax Diesel Engine. The system removes water, particulates and entrained air from the fuel. The entrained air separated from the fuel is returned to the tank through a small return line. The fuel is then delivered to the engine at the correct pressure flow to meet the demands of the engine under all operating conditions.

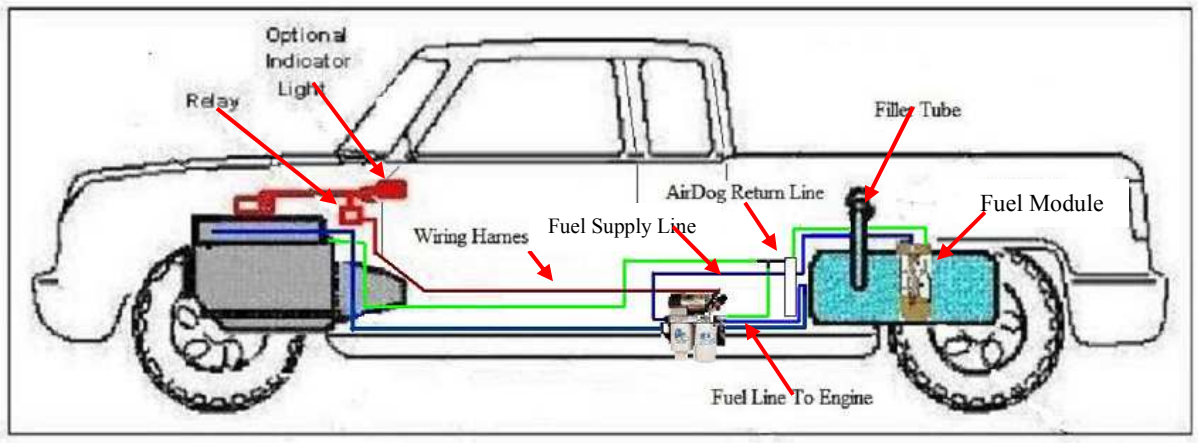
The ***AirDog®II*** DF-100 & DF-165 features an ***Adjustable Pressure Regulator***. These AirDogs are preset set from the factory at 10 PSI. All AirDog®II systems include a complete installation kit.

The ***AirDog®II*** DF-100 is recommended for stock and slightly modified DuraMax Diesels.

The ***AirDog®II*** DF-165 Adj. are recommended for highly modified DuraMax Diesels.

The ***AirDog®II*** DF-200 is recommended for ***Ultra High Performance*** DuraMax diesel engines.

PureFlow® products are manufactured with a personal touch,
unsurpassed attention to detail
and
the most stringent Quality Assurance!



The AirDog®II draws fuel from the fuel tank, removing water, particulates, and air/vapor. A regulated pressurized flow is maintained to meet the engine's varying fuel demands. The separated air/vapor is returned to the fuel tank.

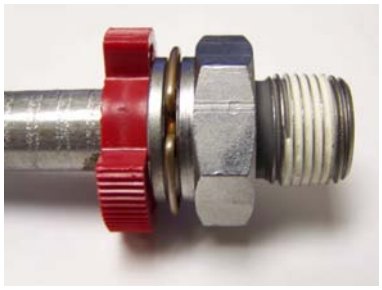
NOTE: The vehicle used for these installation pictures is a
2009 Chevy 4 Door Crew Cab Pickup!

QUICK CONNECT COMPONENT OVERVIEW

Provided in this kit are two different OE style quick connection systems. These systems work together to allow for a quick, clean, and professional install.

Jiffy Tite Quick Connect System

Jiffy Tite's patented quick connect system is used for the connections at the AirDog®. The images below show the flared formation of the Jiffy Tite System. Simply insert the male end form into the fitting and push firmly until you hear it "click" into place. To disconnect the system, use a Jiffy Tite tool similar to the image below. This tool can be purchased at your local auto parts store. Insert the tool into the connection and turn it ¼ turn to open the retaining spring. While the retaining spring is open, firmly pull the connection apart.



SAE J2044 Quick Connect System

The SAE J2044 quick connect system is the most commonly used system in the automotive industry. The images below show the formation of SAE J2044 connection. To connect the assemblies, simply insert the male end form into the mating female connector. Push firmly until you hear it "click" into place. To disconnect the fittings, press down and hold the blue tabs on the female connector while you firmly pull the assembly apart.

TABLE OF CONTENTS

Section 1……..……..Table of Contents
Section 2……...Installation & Safety Guidelines
Section 3……..…….Parts List

INSTALLATION PROCEDURES

Section 4……AirDog®II & Mounting Brackets

Fuel Lines

Section 5 A……AirDog®II to Engine
Section 5 B……Fuel Return to Tank
Section 5 C……AirDog®II Suction Line

Electrical Harness

Section 6…..……Electrical Harness
Section 7..……..……..……..Final Check List

Maintenance

Section 8……..…..……Filter Service Recommendations
Section 9……..…….Cleaning the Gerotor Assembly
Section 10……...……The Pressure Regulator

AirDog® II

The installation of your **AirDog®** II can be made relatively easy by following the steps outlined in this manual, and:

1. Inventory the package components completely. Notify *PUREFLOW AIRDOG* immediately of any parts missing or damaged.

2. Read the installation manual completely. Understand how the system operates and installation recommendations before beginning installation.

3. The installation recommendations contained herein are suggested installation guidelines only. Individual installations may vary.

4. If any installation procedure is uncertain, contact *PUREFLOW AIRDOG* for technical assistance.

5. When installing the AirDog® fuel lines be sure to keep the ORIGINAL ENGINE RETURN LINE connected as it is from the factory!

SAFETY GUIDELINES!

CAUTION! Please be sure to chock the vehicle's tires to prevent rolling.

CAUTION! Please use proper supports when working beneath an elevated vehicle.

CAUTION! Most diesel pickups have two (2) 12volt batteries. Disconnect the battery cables to both batteries before proceeding with the AirDog II installation.

CAUTION! Vehicle frame rails should not be drilled into or welded upon.

CAUTION! Wear safety glasses when operating power tools such as drills and grinders or when using a punch or chisel.

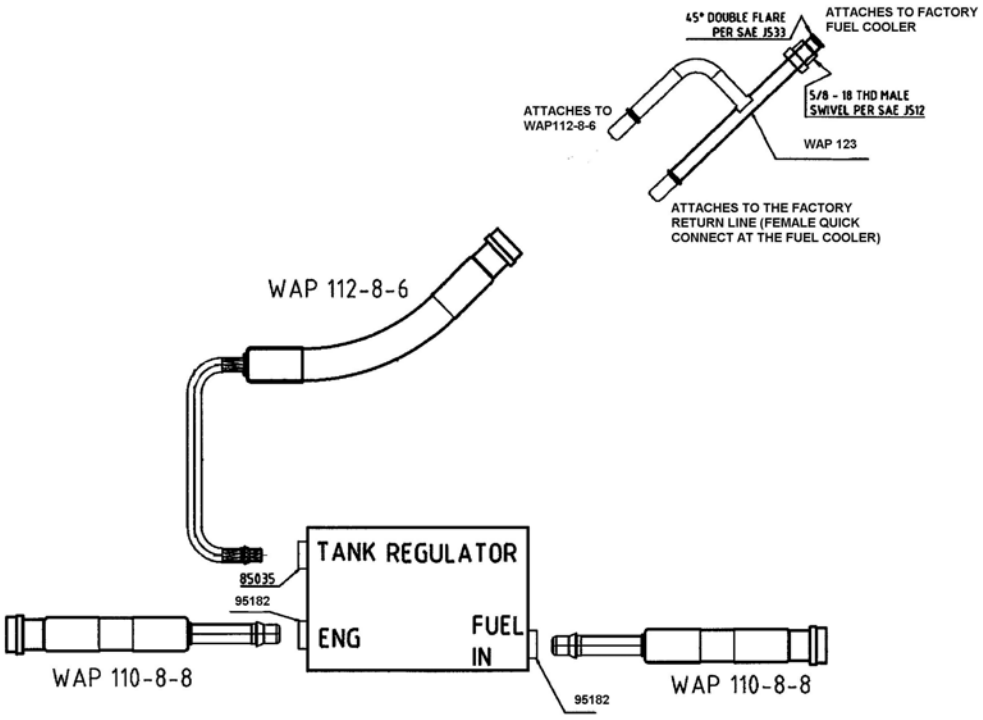
CAUTION! Use common sense when routing fuel lines and electrical harnesses. Keep them away from hot exhaust components and/or moving parts. Properly secure lines to prevent chaffing.

Use Good Judgment and Common Sense When Installing the AirDog®!

AirDog®II Parts List

1	**Installation Manual**	201-1-0222	
1	***AirDog®II***	DF-100 DF-165 DF-200	
1	***AirDog®II* Mounting Bracket**	001-3C-0004	
1	**Mounting Hardware Kit**,	901-61-0102-PM-C	
1	**Frame Bracket Set**	010-3C-0002PC 010-3C-0001PC	
1	**Wiring Harness**	5E-2-010	
1	**Bundle of Plastic Ties**	5H-2-1-06/12	
1	**Spacer**	010-3C-0003-A-P	
1	**Suction Hose Assembly**	WAP110-8-8	
1	**Return Hose Assembly**	WAP112-8-6	
1	**Pressure Hose Assembly**	WAP110-8-8	
1	**Customer Service Oring Replacement Kit**	901-05-0100	
3	**Push Lock Hose Splice**	001-4A-1-0026	
2	**½" Female Jiffy Tite Quick Connect x 3/8" NPT**	95182	
1	**3/8" Female Jiffy Tite Quick Connect x 1/8" NPT**	85035	
1	**Return "T" (connects to fuel cooler)**	WAP 123	

ILLUSTRATION OF QUICK CONNECT COMPONENTS



Installing the AirDog® II & Mounting Brackets on the Truck's Frame!

Figure 2

Figure 3

4-1. Assemble the AirDog II mounting bracket to the frame bracket.

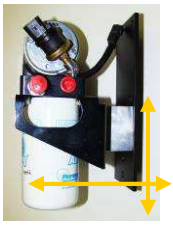


Figure 4

Figure 5

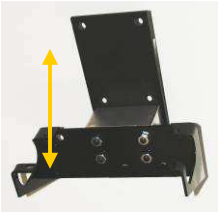


Figure 6

4-2. Use the spacer block to clear lines and wiring harnesses on the frame. Adjust the assembly up or down on the frame bracket as necessary for clearance.

4-3. Install a 3/8" NPT x ½" Jiffy Tite female quick connect (95182) into the "ENGINE" and "FUEL IN" ports in the AirDog II.

Figure 7

4-4. Attach the AirDog II to the frame bracket assembly.

Figure 8

Installing the AirDog® & Mounting Brackets on the Truck's Frame, cont'd!

NOTE: The AirDogII installs easily and is well protected from road debris when mounted on the inside of the driver's side frame.

Figure 9

Driver's Side Frame Rail.

Figure 10

4-5. Clamp the frame between the AirDogII bracket assembly and the backing plate using the 3/8" x 4" bolts, lock washers, and nuts included in the kit.

Figure 11

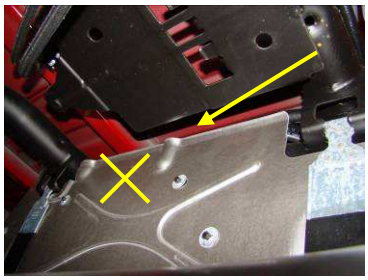
Front of Vehicle

4-6. Position the AirDog® on the frame as necessary for clearance. Properly torque all fasteners!

NOTE: Be sure to mount the AirDog II so the 'FUEL IN' port is directed toward the front of the vehicle.

Installing the AirDog II Fuel Supply Line to the Engine

To install the AirDog II fuel supply line to the engine you must first remove the (flexible) factory fuel line connecting the fuel tank to the frame mount steel fuel line.



Fuel Tank Shield
Figure 12

NOTE: The fuel tank connections are located behind the tank shield.

It may be necessary to remove or bend the tank shield down to access the suction tube quick connect fitting.

Fuel Tank **Suction Tube**
Figure 13

5A-1. Remove the factory fuel supply line from the fuel tank suction tube. Place the 1/2" fuel line disconnect tool around the fuel line and press into the Quick Connect fitting to release the locks. Carefully pull the factory quick connect fitting and fuel line from the fuel tank suction tube. Consult the factory manual if unsure of the procedure.

The DISCONNECT TOOL can be purchased from your local auto parts store.

The connection to the steel fuel line is located on the front of the fuel tank.

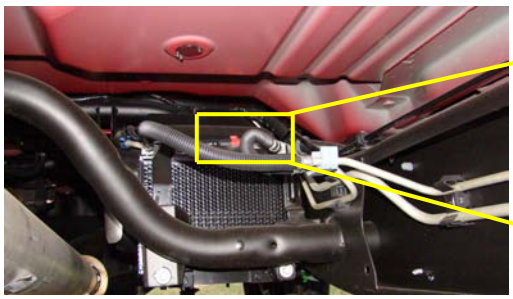


Figure 14

Figure 15

5A-2. Disconnect the other end of the fuel supply line from the steel line. This connection is located between the fuel cooler and the front of the fuel tank. You may now remove the 18" of factory flex line.

5A-3. Attach, by pushing, the female 1/2" SAE J2044 quick connect end (Figure 16) of the "Pressure Hose Assembly" onto the factory male quick connect that was disconnected in step 5A-2 (Figure 15). You will hear a "click" when properly connected.

Figure 16

5A-4. Insert the Jiffy Tite male quick connect end (see figure 17) of the "Pressure Hose Assembly" into the female quick connect fitting previously installed in the port marked "ENGINE". You will hear a "click" when properly connected.

Figure 17

5A-5. Any excess fuel hose can be addressed by routing the house in a fashion to take up the extra length, or a section of the hose can be removed. Push lock splices have been included if you choose to remove the excess hose.

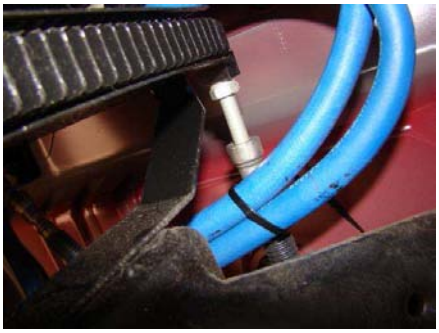


Figure 18

CAUTION: Properly secure all fuel lines to prevent damage from chaffing and/or abrasion.

AirDog®II Air/Vapor Return Line!

NOTE: The AirDog II Air/Vapor return line connects to the engine return line at the fuel cooler.

5B-1. Disconnect the fuel return line from the fuel cooler inlet tube. (Figure 20)

5B-2. Remove the original fuel cooler inlet tube from the fuel cooler. (Figure 20)

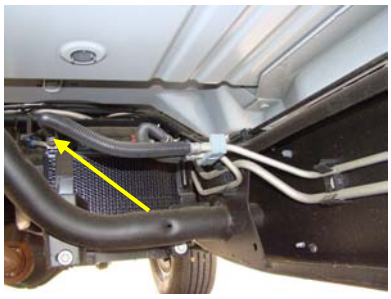


Figure 19

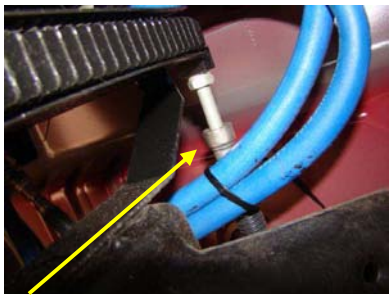


Figure 20

5B-3. Install the PureFlow AirDog Air Return Quick Connect "T" (WAP123) by tightening the threaded end into the fuel cooler port previously addressed in step 5B-2 (Figure 21)

Figure 21

Figure 22

5B-4. Connect the original factory return line to the top right (see figure 21) male quick connect of the Return "T". The fitting will "click" when it is properly seated.

5B-5. Connect the female SAE J2044 quick connect end (Figure 22) of the "Return Hose Assembly" to the lower right (Figure 21) male quick connect on the Return "T". The fitting will "click" when it is properly seated.

AirDog®II Fuel Return Line, cont'd

5B-6 Insert the Jiffy Tite male quick connect end (see Figure 23) of the "Return Hose Assembly" into the previously installed female Jiffy Tite fitting in the port marked "Tank". The fitting will "click" when properly installed.

Figure 23

5B-7. Any excess fuel hose can be addressed by routing the hose in a fashion to take up the extra length, or a section of the hose can be removed. Push lock splices have been included if you choose to remove the excess hose.

Fuel Suction Line for AirDog® II

5C-1. Insert the male Jiffy Tite quick connect end (see figure 24) of the "Suction Hose Assembly" to the female Jiffy Tite fitting install in the "Fuel In" port during step 4-3 of this manual. A "click" will be heard when the fitting is properly connected.

Figure 24

5C-2. It may be necessary to remove or bend the metal fuel tank shield (Figure 25) to gain access to the fuel tank suction line connection.

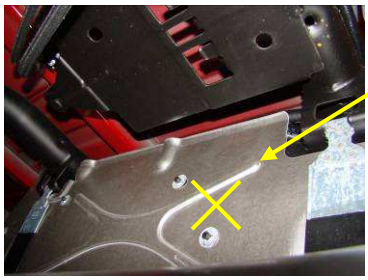


Figure 25

Fuel Tank Shield

5D-3. Disconnect and remove the original factory suction line. (Figure 26)

Figure 26

Fuel Suction Line for AirDog® II Cont'd

5D-4. Route and attach the female ½" SAE J2044 end (Figure 27) of the "Suction Hose Assembly" to the male quick connect fitting addressed in step 5D-3. You will hear a "click" when properly connected.

Figure 27

5D-5 Any excess fuel hose can be addressed by routing the house in a fashion to take up the extra length, or a section of the hose can be removed. Push lock splices have been included if you choose to remove the excess hose.

The *AirDog®II* is equipped with a relay controlled wiring harness.

WIRING DIAGRAM (In Red)

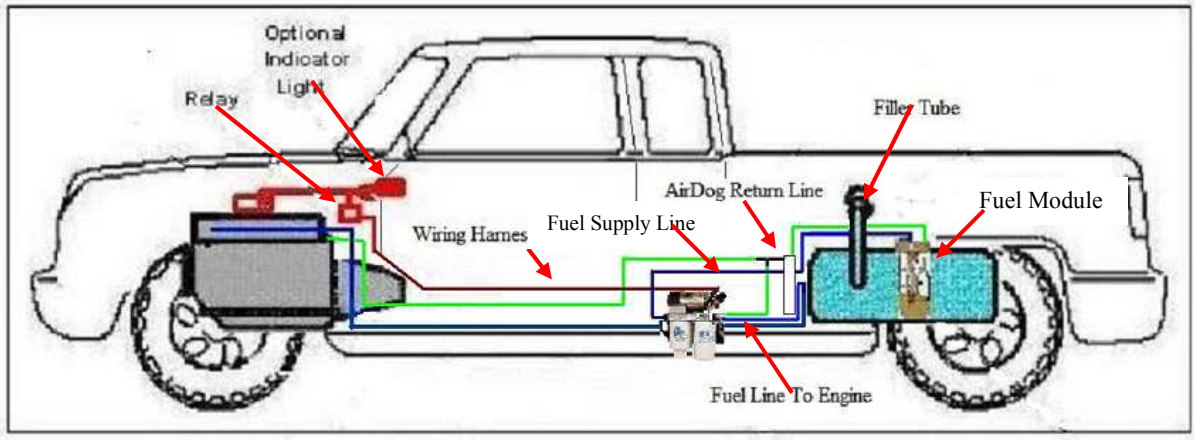
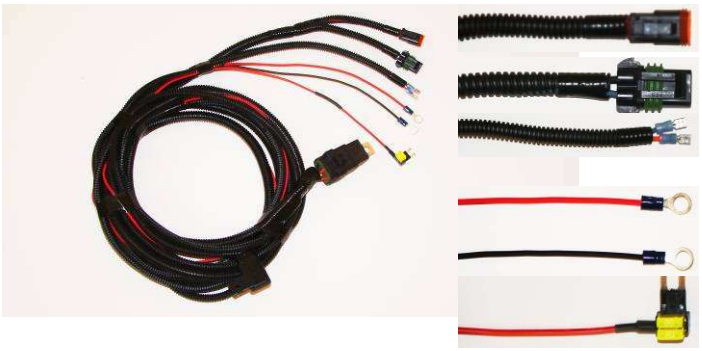


Figure 28

The AirDog®II wiring harness!



AirDog®II Pump Motor Lead

Pressure Sensor/Switch Lead

Indicator Light Lead

Battery Positive Lead

Battery Negative Lead

Mini Fuse Tap Relay Lead

Figure 29

CAUTION: If the ***OPTIONAL*** Low Pressure Indicator Light is not used, be sure to insulate the two (2) #10 Indicator Light connectors to prevent accidental contact.

Securing the Relay and Fuse Holder to the Vehicle

6-1. Secure the relay and fuse holder to the vehicle.

Figure 30

Figure 31

Connecting the AirDog®II Relay Control

6-2. Remove the plastic housing (skirt) around the fuse box. On some models it may be necessary to remove the fender/cowl brace to allow access to the fuse box.

6-3. After accessing the fuse panel, use a test light or voltmeter to find a fuse terminal that is ***HOT*** only when the ignition is in the on position. Connect the 'Red' Relay Trigger wire with the mini fuse tap to that terminal.

Figure 32

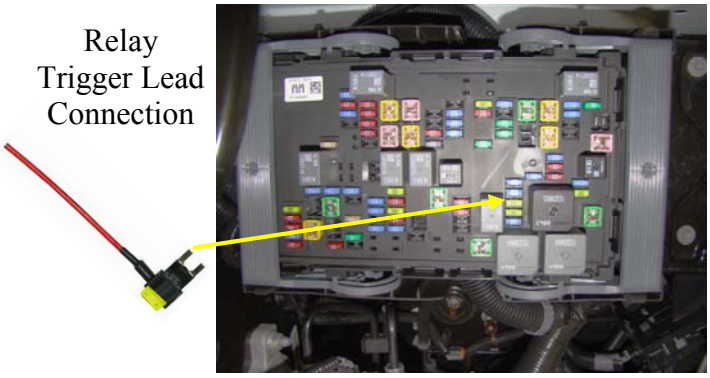


Figure 33

NOTE: The power supply leads can be connected to the battery or the alternator.

Connecting the power supply leads to the alternator instead of the battery will create a corrosion free connection.

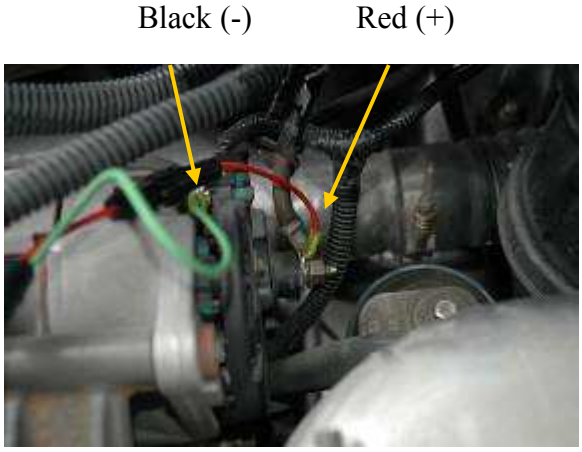


Figure 34

Figure 35

6-4A. Route the Red & Black power supply leads to the alternator.
Connect the Black (-) lead to the alternator *Chassis Ground* connection. Connect the Red (+) lead to the alternator *Hot Lead* going to the battery.

Connecting the power supply leads, cont'd

6-4B. Should you choose to connect the power supply leads directly to the battery, connect the RED (+) lead to the POSITIVE (+) post of the driver's side battery. Connect the BLACK (-) lead to the NEGATIVE (-) post of the same battery.

Black (-) Red (+)

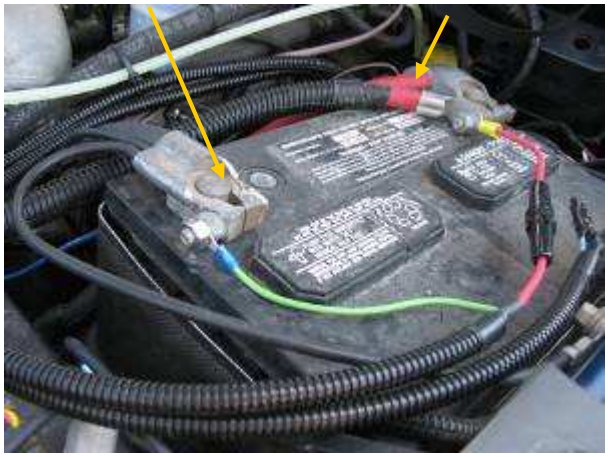


Figure 36

6-5. Route the wiring harness to the ***AirDog***®II and connect the 2 pin Deutsch connector to the corresponding connector on the ***AirDog***®II.

Figure 37

NOTE: If the Optional Indicator Light is not used, secure the pressure switch lead to the wiring harness with a plastic tie. Also, cover the pressure sensor lead to protect it, you may want to use it later.

INITIAL START PROCEDURE

The ***AirDog®****II* is a self priming system, however, to prevent potential damage and reduce the life expectancy of the system, it is recommended to pre-fill only the water separator with diesel fuel before initial startup.

7-1. Fill the water separator with diesel fuel.

7-2. Turn the starter key to the on/run position.

7-3. While the ***AirDog®****II* is operating, bleed the air from the fuel line to the engine by loosening the fuel line connection at the engine fitting. As soon as the line is purged of air and pure fuel is observed, properly tighten the fuel fitting. NOTE: put a rag or shop towel over and around fitting to prevent splatter. Catch all spilled fuel and dispose of properly.

7-4. Start the engine!

RECHECK ALL FUEL FITTINGS FOR LEAKAGE AND PROPERLY TORQUE. BE SURE ALL FUEL LINES ARE PROPERLY ROUTED TO PROTECT FROM EXCESSIVE HEAT AND SECURED TO PROTECT FROM CHAFFING AND ABRASION. RECHECK ALL ELECTRICAL LINES, SECURE AS NECESSARY.

Checking Pump Noise!

Note: Each ***AirDog®****II* has been manufactured in a Quality Controlled process and fully tested for operation and performance before shipment. This is a very quiet and smooth running system. With fuel or air alone, the AirDog®II fuel pump will run very quietly. However, if any fuel fitting on the vacuum side, between the fuel tank and the AirDog®II or the water separator, has been left loose during the installation process, the system may suck air at an excessive rate and will be very noisy. To check for this problem, unscrew the water separator 3 or 4 full turns and activate the AirDog®II by turning the ignition switch to on. If the AirDog®II runs quietly, then excessive air from a loose fitting or leaking pre-filter seal is most likely the reason for the excessive noise. Correct as necessary.

A. The seal groove in the 3” filter is a snug fit and on occasion the seal has been found to not be fully seated. Remove the water separator; remove the seal from the top of the nut plate. Clean and lubricate the seal grove. Carefully replace the seal in the groove. Be sure to fully seat the seal.

B. Check the fittings, especially the quick connect at the tank.

Filter Service Recommendations

Plugging of either the fuel filter, the screen in the water separator nipple or the water separator itself will cause low fuel pressure and low blow to the engine. Should you experience low fuel pressure, first check the screen in the water separator nipple. If it is blocked by a film or debris, unscrew the nipple from the base, clean the screen, then re-install the nipple. If the screen is not restricted, check the water separator for plugging and restriction, then replace as necessary! If the low fuel pressure issue continues, replace the fuel filter.

The Water Separator

Replace the water separator every other time you change the Fuel Filter or if it becomes damaged or plugged. It is suggested to check/drain the water separator every three months or as needed should you experience excessive 'water in fuel' conditions. When installing the water separator, be sure to clean the underside of the AirDog II base. Follow the instructions printed on the pre-filter for proper tightening procedures.

Caution: Be extremely careful to prevent any contaminates or debris from entering the pre-filter when removing it for cleaning! Large debris will jam the Gerotor and cause the fuse to blow. This is not a warranty item. Should this happen, you can easily put the system back into working order. See the instructions on "How to clean the Gerotor" for proper procedures.

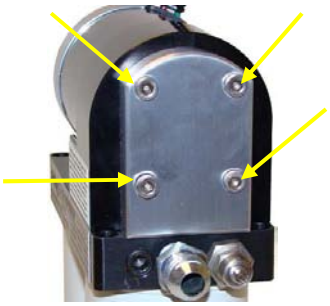
The Fuel Filter

Remove the fuel filter by turning it counter clockwise. Do Not pre-fill the fuel filter with fuel. The AirDog II will fill the filter and prime the system automatically. Follow the instructions on the filter for proper tightening procedures.

CAUTION: Dispose of waste fuel and used filters properly to protect OUR environment!

Cleaning Debris from the Gerotor Assembly

Step 1



Remove the four (4) socket head cap crews that secure the gerotor cap.

Step 2

Carefully remove the O-rings. you will need to re-use them.

Step 3

Remove and clean the gerotor assembly. Be careful not to damage the gerotor.

Step 4

Clean the inside of the gerotor pocket.

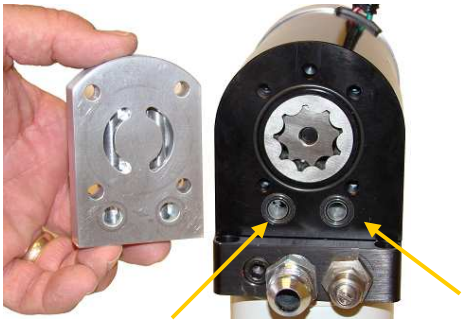
Step 5

Replace the center gear.

Step 6

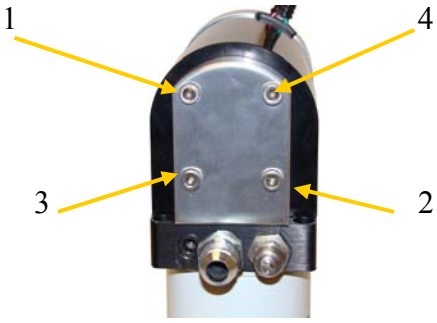
Align and install the outer gear and O-rings.

Step 7



Install the gerotor cap. Be very careful not to dislodge or pinch the O-rings.

Step 8



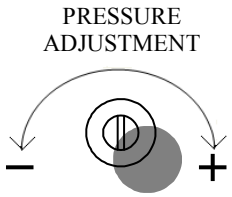
Loose assemble the cap screws. Torque the cap screws in an opposing pattern.

AirDog II DF-165 with Adjustable Pressure Regulator!

The AirDog®II rises to a new level of excellence with an Adjustable Regulator machined from stainless steel with a double O-ring seal system and a soft seat piston.

DuraMax Pressure Adjustment

Loosen the Jam Nut
Re-Torque After Adjusting

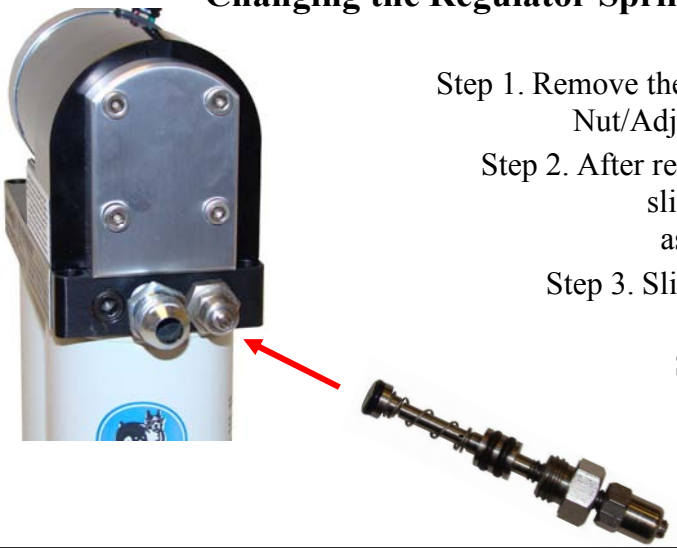


Use a Screwdriver to Adjust the Pressure Regulator

DF-165- 10 PSI: Turn the regulator counter clockwise until it stops, then turn clockwise 1 full turn.

Turn the adjustor screw counter clockwise to reduce the output pressure or clock wise to increase the pressure. Be sure to re-torque the Jam Nut after adjusting the regulator.

Changing the Regulator Spring



Step 1. Remove the regulator by turning the "Base Nut/Adjustor Body" counter clockwise.

Step 2. After removing the regulator assembly, slide the piston from the regulator assembly and remove the spring.

Step 3. Slide the new spring into position, replace the piston.

Step 4. Replace the assembly in the base. Tighten the Base Nut to proper torque.

PUREFLOW AIRDOG

LIFETIME LIMITED EXPRESS WARRANTY

FOR

All PureFlow AirDog I, II and Raptor Systems

IMPORTANT NOTICE

TO ACTIVATE YOUR PURFLOW AIRDOG WARRANTY, YOU MUST COMPLETE AND MAIL YOUR WARRANTY CARD TO PUREFLOW AIRDOG WITH A COPY OF YOUR ORIGINAL SALES RECEIPT WITHIN 30 DAYS OF PURCHASE. FAILURE TO COMPLETE AND SUBMIT YOUR WARRANTY CARD WILL RESULT IN A WARRANTY PERIOD OF THE COVERED PRODUCE TO ONE (1) YEAR FROM THE DATE OF PURCHASE.

PureFlow AirDog (hereafter collectively, "SELLER") warrants and guarantees only to the Original Purchaser (hereafter collectively, BUYER) that All PureFlow AirDog Systems (hereafter collectively, PRODUCT) shall be free from defects of materials and workmanship in the manufacturing process for as long as the BUYER owns the PRODUCT.

The Lifetime Limited Express Warranty is limited to the PRODUCT purchased by the original BUYER of the PRODUCT and limited solely to the parts contained within the PRODUCT and EXCLUDES ALL ELSE INCLUDING FILTERS AND WATER SEPARATORS. Any PRODUCT that is in question of Warranty must be returned, shipped prepaid, to PureFlow AirDog. All Warranty claims are subject to the approval of PureFlow AirDog. If it is determined that a Warranty claim exists, PureFlow AirDog will, at its sole discretion, replace the defective PRODUCT with a comparable PRODUCT, repair the defective PRODUCT, or refund the BUYER"S purchase price in exchange for the PRODUCT. Repairs or replacements are warranted for only the remainder of the original warranty period and only to the original BUYER.

Under no circumstances shall the SELLER be liable for any labor charged or travel time incurred in the diagnosis for defects, removal, or reinstallation of the PRODUCT, or any contingent expense.

Under no circumstances will the SELLER be liable for any damage or expense incurred by reason of the use or sale of the PRODUCT.

Other than expressly set forth herein, the SELLER shall in no way be responsible for the proper or improper use and service of the PRODUCT. In no event shall the SELLER be liable for any special, incidental, indirect or consequential damages of any kind or nature, whether or not the BUYER of the PRODUCT was advised of the possibility of damage or harm, arising or resulting from the use or performance of the PRODUCT and BUYER hereby waives the right to any and all such claims.

BUYER, acknowledges that he/she is not relying on SELLER'S skill or judgment to select or furnish goods suitable for any particular purpose and that SELLER has no liability that will extend beyond the scope of the LIMITED EXPRESS WARRANTY contained herein, and BUYER hereby waives all remedies or liabilities, expressed or implied, arising by operation of law or otherwise.(including, without limitation, any obligation of SELLER with respect to fitness for any particular purpose; merchantability; and special, incidental, indirect or consequential damages) or whether or not occasioned by SELLER'S negligence.

SELLER disclaims any warranty and expressly disclaims any liability for personal inquiry or damages related to BUYER'S use of the PRODUCT. BUYER acknowledges and agrees that the disclaimer of any liability for personal injury is a material term for this agreement and BUYER agrees to indemnify SELLER and hold SELLER harmless from any claim related to the PRODUCT and its use or performance. Under no circumstances will SELLER be liable for any damages, liabilities, costs or expenses incurred as a result of or by reason of use, performance or sale of the PRODUCT, including without limitation, any damages, liabilities, costs or expenses incurred by reason of BUYER'S negligence related to those uses of the PRODUCT.

The proper installation of the PRODUCT is the sole responsibility of the BUYER. The SELLER assumes no liability regarding improper installation or misapplication of the PRODUCT.

SELLER hereby provides the following limited warranty as to description, quality, merchantability, fitness for the PRODUCT'S purpose, productiveness, or any other matter of SELLER'S PRODUCT sold herewith. The SELLER

shall be in no way responsible for the open use and service of the PRODUCT and the BUYER hereby waives all rights other than those expressly written herein. This Warranty shall not be extended or varied except by a written instrument signed by SELLER and BUYER.

IN THE EVENT THAT THE BUYER DOES NOT AGREE WITH THIS AGREEMENT, THE BUYER MAY PROMPTLY RETURN THE PRODUCT, IN A NEW AND UNUSED CONDITION, WITH A DATED PROOF OF PURCHASE, TO THE PLACE OF PURCHASE WITHIN THIRTY (30) DAYS FROM THE DATE OF PURCHASE FOR A FULL REFUND. THE BUYER AGREES THAT THE INSTALLATION OF THIS PRODUCT CONFIRMS THE BUYER HAS READ AND UNDERSTANDS THIS AGREEMENT AND ACCEPTS THE TERMS AND CONDITIONS OF THIS AGREEMENT.

Warranty Procedure

In the unlikely event a warranty appears as if it may be warranted, the following steps are taken:

1. The customer discussed the symptoms of the problem with a PureFlow AirDog Technician. The customer is to have the system Serial Number and Model Number available for the Technician when the call is made. This will expedite all steps of the process.
2. The customer performs any and all tests requested by the PureFlow AirDog Technician. This is done to isolate the potential problem while eliminating potential installation or maintenance related issues,
3. If the PureFlow AirDog Technician determines based on the customer feedback concerning the requested testing that system may be at fault, the customer is advised that all returned pumps are tested upon arrival and should this returned pump perform at design criteria upon arrival, the customer will be charged a $50.00 fee.
4. The PureFlow AirDog Technician will first request the customer's phone number in the event the phone call is accidentally disconnected and then transfer the customer to a PureFlow AirDog Customer Service Representative. Should a Customer Service Representative not be available, the Technician will offer the Customer the option to hold, call back, or receive a return call.
5. The PureFlow AirDog Customer Service Representative will check to determine if the customer's Warranty Registration Card is on file.
    a. If no Warranty Registration is found, the customer will be required to supply the original purchase receipt showing the purchase date.
    b. If no Warranty Registration is found, the customer will be advised of the options should the system in question is out of the default warranty period (1 year).
6. The PureFlow AirDog Customer Service Representative will request the customer information, including: Name, Address, Phone Number, Model Number, Serial Number, Year / Make / Model of vehicle, Name of Dealer purchased from, Purchase Date, Description of Problem, Customers' understanding of the resolution, and customer credit card information.
7. PureFlow AirDog will cover Ground Shipping charges to ship the replacement unit and will include a prepaid shipping label for the return of the defective unit. Any additional items ordered at the time of the replacement shipment will include their portion of the shipping cost.
8. A period of 15 Calendar Days from the time of shipment is provided for the receipt of the defective unit at the PureFlow AirDog facility. Failure to return ship the defective unit to arrive within the defined time period will result in a charge of $250.00 against the customer's credit card as the purchase cost of the defective unit.

PFT Bulletin No. 201-1-0222 **Revised 8-17-10**